

Figure 1. Coupled (solid) vs decoupled (dashed) composite soundings for Stratus 2004. Each variable is noted at the top of each subplot.

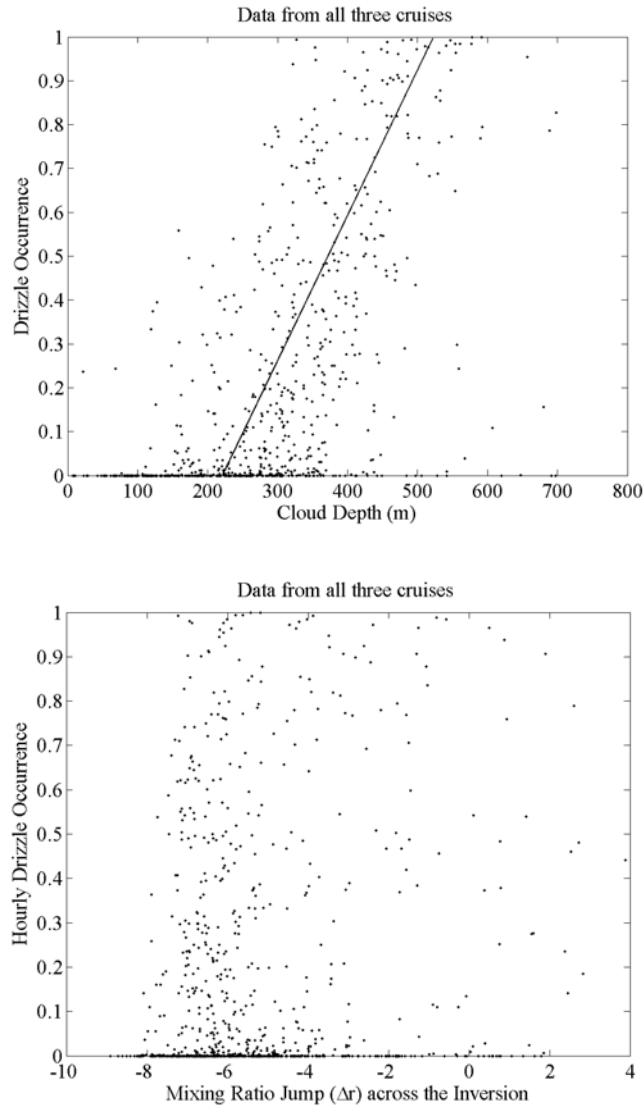


Figure 21. Drizzle Occurrence as a function of cloud depth (a--upper panel). The linear fit in the upper panel is drawn subjectively to avoid the bias on the mathematical calculation imposed by “extreme” domains (e.g. drizzle occurrence equal to zero) as well as the large span of values (the overall correlation coefficient is $R=0.61$). Drizzle occurrence as function of mixing ratio jump across the inversion (b--bottom panel). The Δr values were initially estimated for each sounding (every 4 or 6 hours, depending on the cruise), then linearly interpolated to the drizzle occurrence hourly estimates.